

IN THE CLAIMS:

1-2. (cancelled)

3. (currently amended) The nozzle regulator as set forth in claim 1; A nozzle regulator, comprising:

an outer tubular cylinder having a first radius;

an inner tubular cylinder having a second radius that is less than the first radius, wherein the outer tubular cylinder and the inner tubular cylinder are concentric about a longitudinal direction; and

an inlet section that connects the outer tubular cylinder and the inner tubular cylinder at an inlet side in the longitudinal direction;

wherein the entire nozzle regulator is constructed made of [(the)] a deformable material such that when a fluid within the inner tubular cylinder experiences a backpressure, the second radius automatically decreases, but when the backpressure is removed the second radius automatically increases back to its original dimension.

4-8. (cancelled)

9. (original) An automatically deformable nozzle regulator, comprising:

an outer cylinder having a hollow interior and an inlet side and a outlet side at opposite end of the cylinder along a longitudinal direction;

an inner cylinder disposed concentrically within the outer cylinder and having a fluid passageway in the longitudinal direction such that fluid can flow through the fluid passageway from the inlet side to the outlet side; and

an inlet section having a convergent cross-sectional shape that connects the outer cylinder and the inner cylinder at the inlet side such that the fluid enters the nozzle regulator at the inlet section and flows into the fluid passageway;

wherein the automatically deformable nozzle regulator is constructed of a deformable material.

10. (original) The automatically deformable nozzle regulator as set forth in claim 9, further comprising a nozzle regulator cavity bounded by the outer cylinder, the inner

cylinder and the inlet section such that the inlet side of the nozzle regulator cavity is sealed and the outlet side of the nozzle regulator cavity is open so that fluid can only flow into the nozzle regulator cavity from the outlet side.

11. (original) The automatically deformable nozzle regulator as set forth in claim 10, wherein a backpressure in the fluid within the nozzle regulator cavity generates a constricting force that causes a radius of the inner cylinder to decrease.

12. (original) The automatically deformable nozzle regulator as set forth in claim 9, further comprising an output nozzle projecting from the outlet side of the outer cylinder and being part of the inner cylinder such that a surface area of the output nozzle is capable of being in contact with the fluid.

13. (previously presented) The automatically deformable nozzle regulator as set forth in claim 12, wherein a backpressure in fluid surrounding the output nozzle generates a constricting force causing a radius of the inner cylinder to decrease.

14. (original) The automatically deformable nozzle regulator as set forth in claim 9, wherein the deformable material comprises rubber.

15-18. (cancelled)

19. (currently amended) ~~The outlet side regulated venturi pump as set forth in claim 16;~~ An outlet side regulated venturi pump for pumping fluid, comprising:

a primary inlet that receives a fluid pressure source such that fluid under pressure flows from the fluid pressure source to the primary inlet;

a venturi throat in fluid communication with the primary inlet that decelerates the fluid flowing from the primary inlet and creates a low-pressure area within a cavity located at an outlet of the venturi throat;

a secondary inlet in fluid communication with the venturi throat and cavity that allows a fluid being pumped to be drawn through the secondary inlet into the cavity by the low-pressure area in the cavity; and

an automatically deformable nozzle regulator in fluid communication with

the venturi throat and cavity that automatically adjusts its output area to further decrease the pressure in the cavity, wherein the nozzle regulator comprises,
an outer tubular cylinder and an inner tubular cylinder concentrically arranged,
an inlet section joining the cylinders at an inlet side of the nozzle regulator, and
~~wherein the automatically deformable nozzle regulator further comprises~~ a nozzle regulator cavity disposed between the concentric cylinders[[and]],
wherein the nozzle regulator cavity is bounded on the inlet side by the inlet section and open on the outlet side.

20. (cancelled)